

**WEST**

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May 26, 1994

DERWENT-ACC-NO: 1994-177081  
DERWENT-WEEK: 199612  
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TITLE: Heart valve prosthesis - comprises distributor mitral valve which can be fixed to heart wall with aid of plastic patches

INVENTOR: REICHART, B; VETTER, H

PATENT-ASSIGNEE:

ASSIGNEE  
VETTER H

CODE  
VETTI

PRIORITY-DATA: 1992DE-4234127 (October 9, 1992)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
DE 4234127 A1	May 26, 1994		005	A61F002/24
DE 4234127 C2	February 22, 1996		005	A61F002/24

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
DE 4234127A1	October 9, 1992	1992DE-4234127	
DE 4234127C2	October 9, 1992	1992DE-4234127	

INT-CL (IPC): A01N 1/02; A61F 2/24; A61L 27/00

ABSTRACTED-PUB-NO: DE 4234127A  
BASIC-ABSTRACT:

The heart valve prosthesis (1) is for replacement of the mitral valve or tricuspidal valve, and comprises a mitral valve (2) of a homologous or heterologous distribution, whereby the heart valve is fixed along the annular valve tissue with non-resorbable seam material in a seam ring (3). On the posterior velum (2b) in the central section (6) or nearer the commissures a ripple is formed and the resection ends are adapted with single knot seams.

Over the papillary muscle heads (5) a plastic patch (8) is sewn, which represents an aid in the implantation for fixing to the heart wall. As reinforcement for the natural velum fibres a plastic fibre (10) is fixed to the seam ring (3).

The plastic used is pref. PTFE.

USE/ADVANTAGE - A mitral valve as a heart valve prosthesis. It can be transplanted as a complete mitral valve with its components (anterior and posterior velums, mitral ring, chordae tendineae, fibrous parts of the papillary muscle).

ABSTRACTED-PUB-NO:

DE 4234127C  
EQUIVALENT-ABSTRACTS:

The heart valve prosthesis (1) is for replacement of the mitral valve or tricuspidal

valve, and comprises a mitral valve (2) of a homologous or heterologous distribution, whereby the heart valve is fixed along the annular valve tissue with non-resorbable seam material in a seam ring (3). On the posterior velum (2b) in the central section (6) or nearer the commissures a ripple is formed and the resection ends are adapted with single knot seams.

Over the papillary muscle heads (5) a plastic patch (8) is sewn, which represents an aid in the implantation for fixing to the heart wall. As reinforcement for the natural velum fibres a plastic fibre (10) is fixed to the seam ring (3).

The plastic used is pref. PTFE.

USE/ADVANTAGE - A mitral valve as a heart valve prosthesis. It can be transplanted as a complete mitral valve with its components (anterior and posterior velums, mitral ring, chordae tendineae, fibrous parts of the papillary muscle).

CHOSEN-DRAWING: Dwg.1/3 Dwg.1/4

TITLE-TERMS: HEART VALVE PROSTHESIS COMPRISE DISTRIBUTE MITRAL VALVE CAN FIX HEART WALL AID PLASTIC PATCH

DERWENT-CLASS: A96 D22 P32 P34

CPI-CODES: A04-E08; A12-V02; D09-C01C;

ENHANCED-POLYMER-INDEXING:

Polymer Index [1.1] 017 ; R00975 G0022 D01 D12 D10 D51 D53 D59 D69 D82 F\* 7A ; H0000 ; S9999 S1070\*R ; P0511 Polymer Index [1.2] 017 ; ND01 ; Q9999 Q8048 Q7987 ; Q9999 Q7965 Q7885 ; K9416

POLYMER-MULTIPUNCH-CODES-AND-KEY-SERIALS:

Key Serials: 0207 0210 0231 0947 0968 2524 2765 3258 3284

Multipunch Codes: 017 04- 062 064 087 090 43& 481 50& 53& 623 629 645 651 688

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1994-081012

Non-CPI Secondary Accession Numbers: N1994-139459